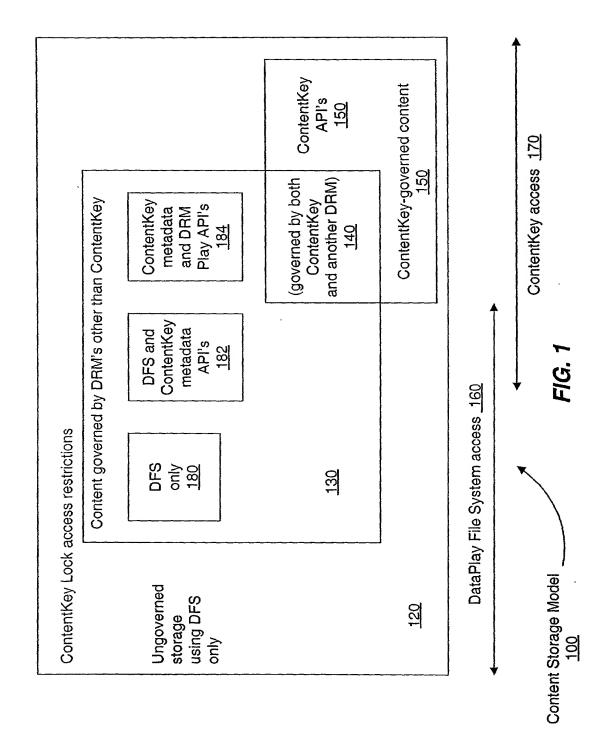
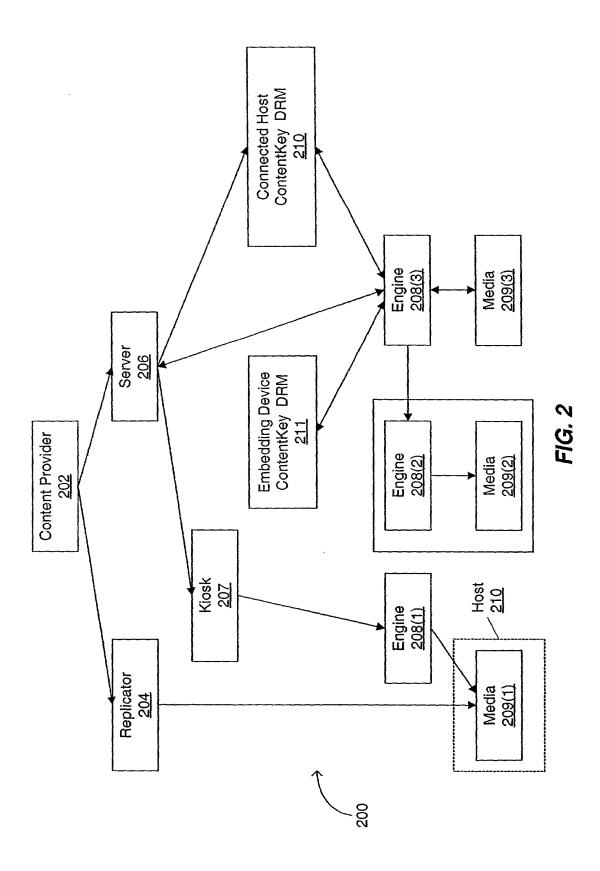
Title:

Lane W. Lee A Mastering Process and System for Secure Content



Title:



Title:

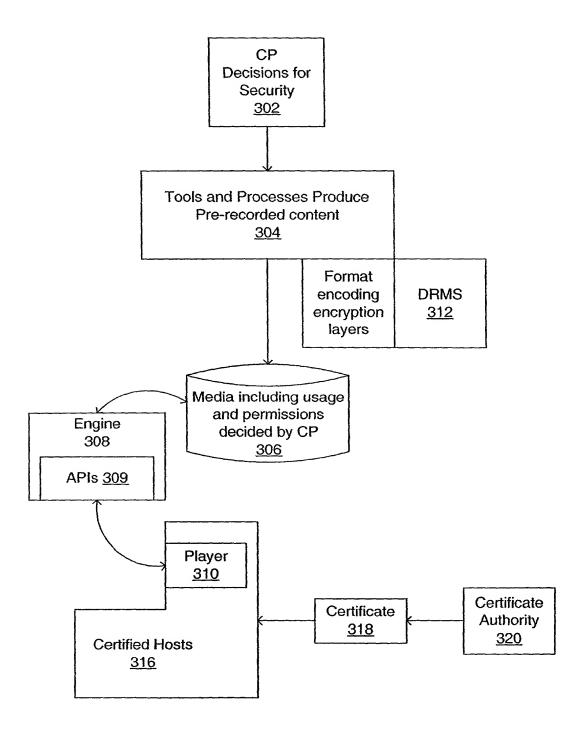
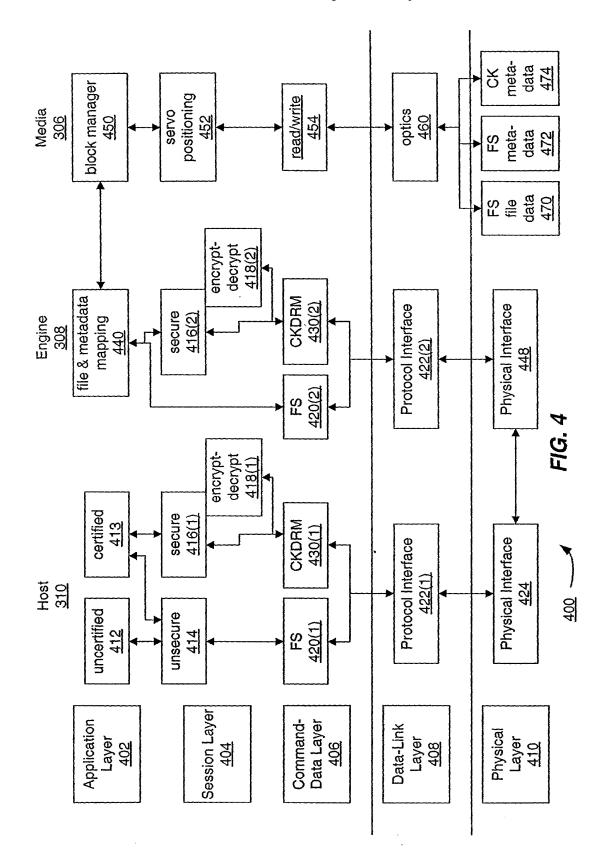


FIG. 3

Title:



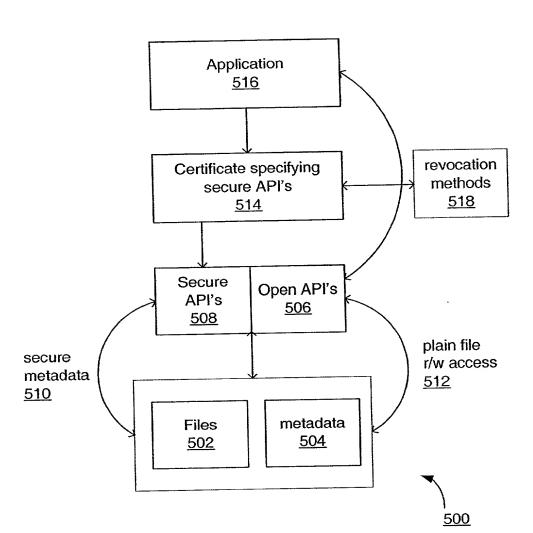
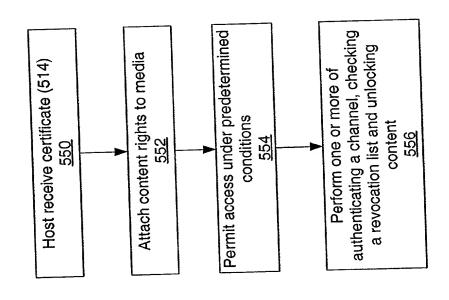


FIG. 5A

Attorney Docket No.: M-12043 US Lane W. Lee

First Inventor:

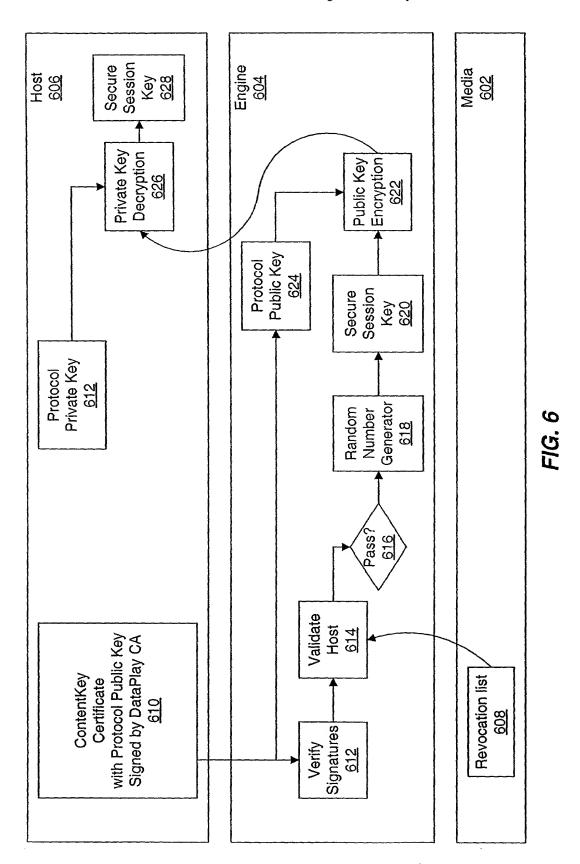
A Mastering Process and System for Secure Content Title:



Prevent access to data via firmware data outside firmware 532 530

Enable access to

Title:



Title:

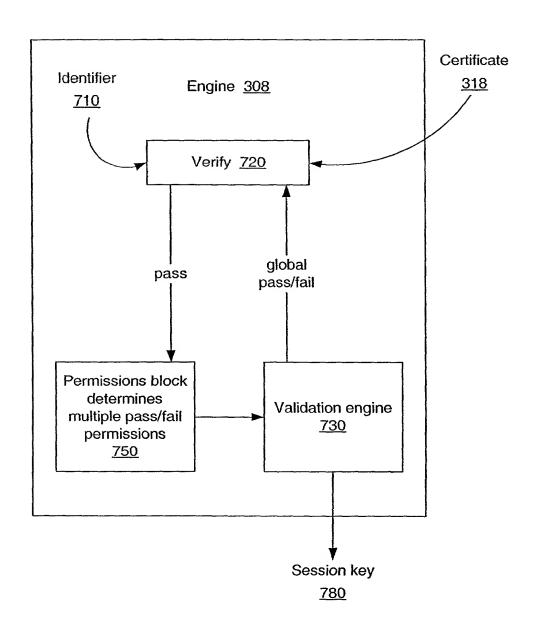


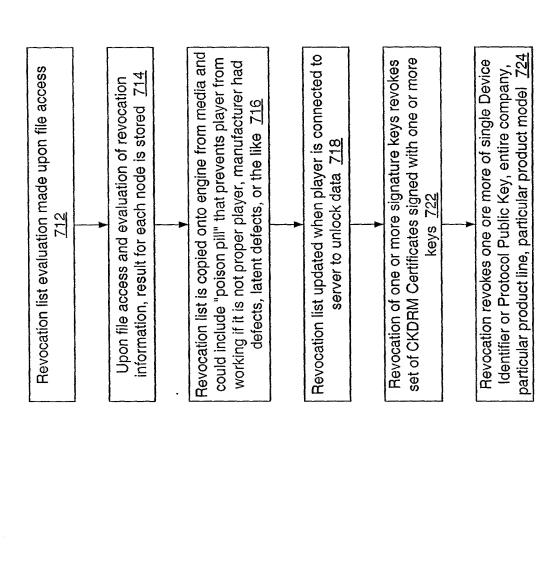
FIG. 7A

Attorney Docket No.: M-12043 US First Inventor:

Lane W. Lee

Title:

A Mastering Process and System for Secure Content



Use identifier to qualify

destination

704

Receive certificate from destination

702

Transmit session key

208

Title:

evaluated against contents of

CKDRM certificate 732

Evaluate data in clause node

according to function results

of true or false when

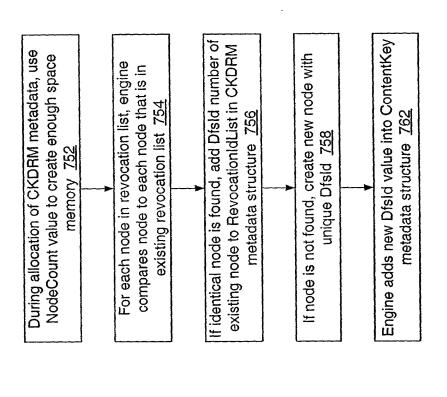
Lane W. Lee A Mastering Process and System for Secure Content

Revoke host if any revocation

node in revocation list

evaluates to true

736



Combine results from clause

nodes according to clause

rules

734

FIG. 7

Title: A N

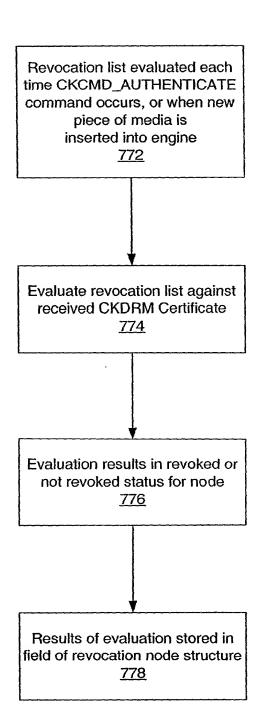


FIG. 7F

Title:

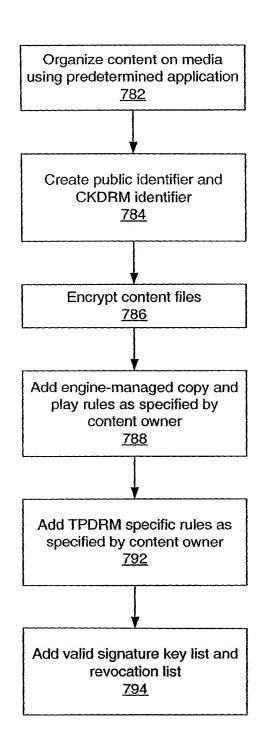


FIG. 7G

Title:

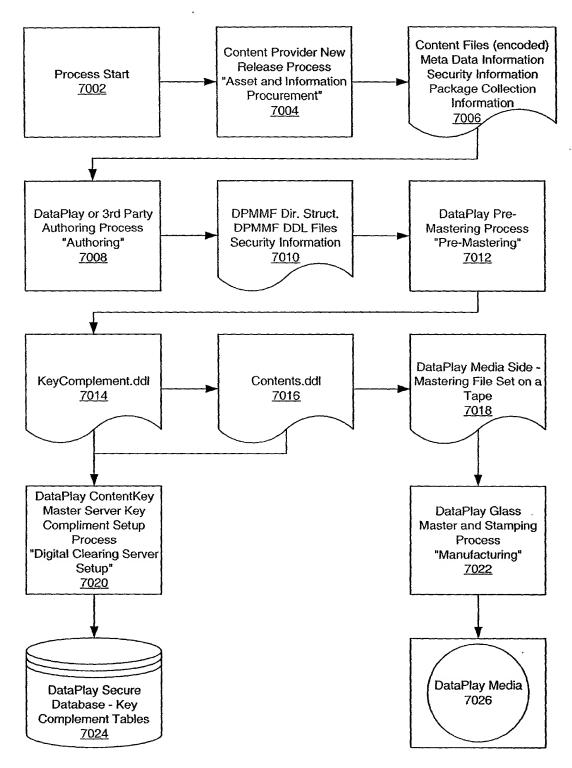


FIG. 7H

Title:

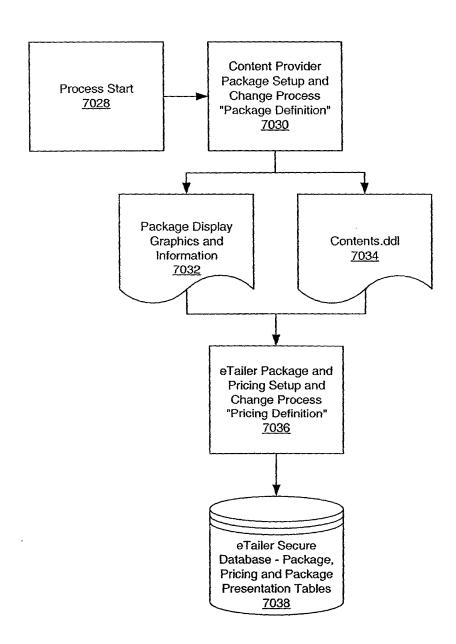


FIG. 71

Title:

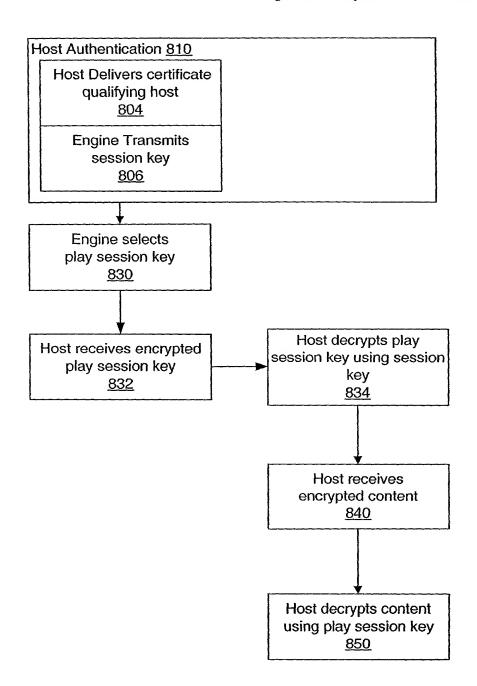


FIG. 8

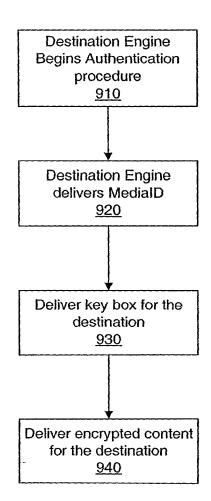


FIG. 9

Title: A M

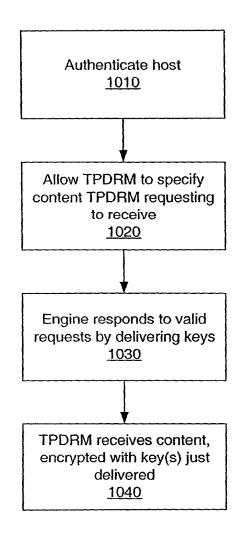


FIG. 10

Attorney Docket No.: M-12043 US

First Inventor: Lane W. Lee
A Mastering Process and System for Secure Content
Title:

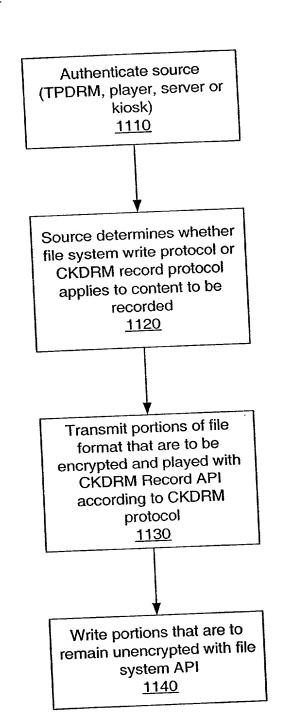


FIG. 11

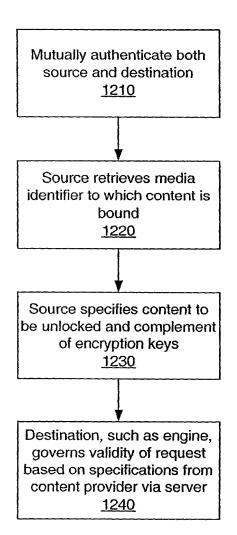
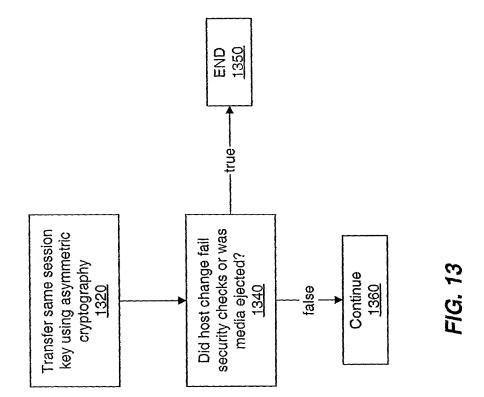


FIG. 12



Attorney Docket No.: M-12043 US
First Inventor: Lane W. Lee
Title: A Mastering

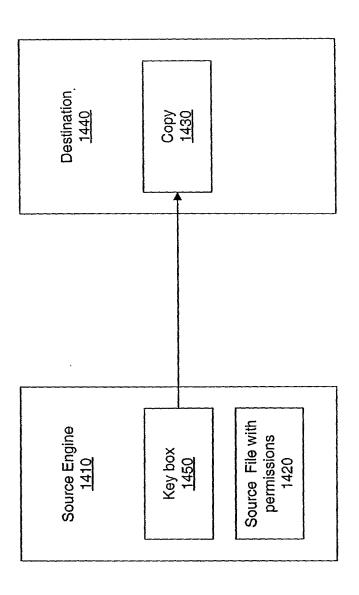


FIG. 14

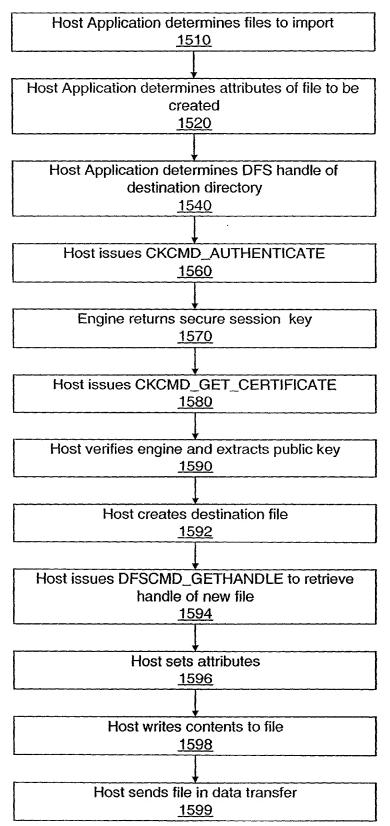


FIG. 15

Attorney Docket No.: M-12043 US

First Inventor:

Lane W. Lee

Title:

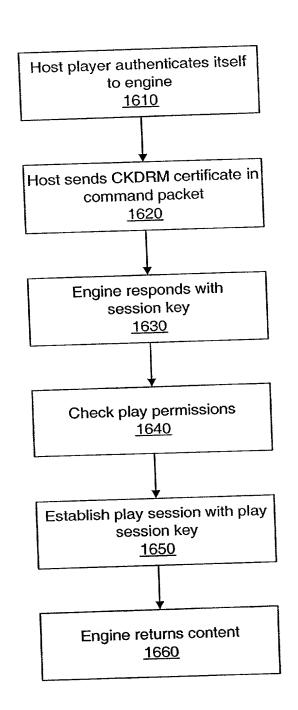


FIG. 16

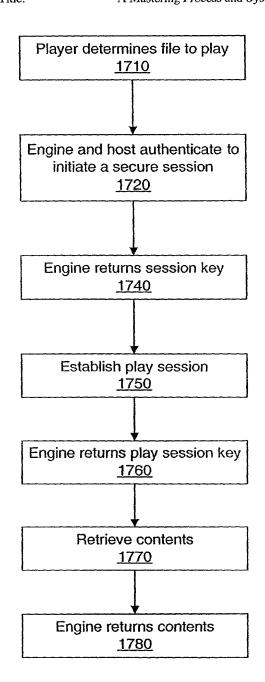


FIG. 17

Title:

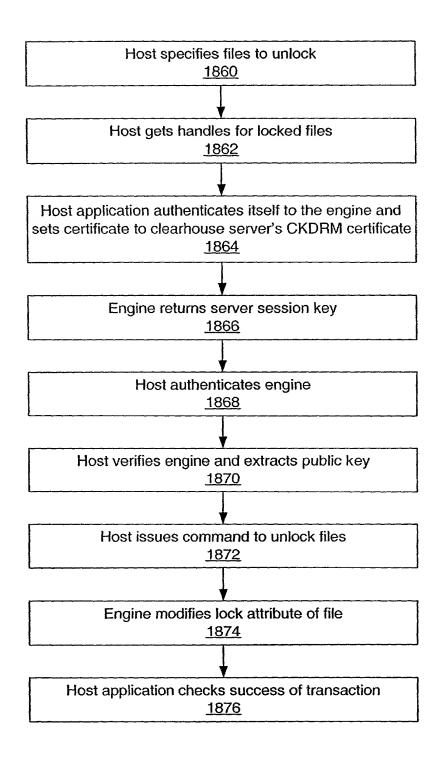


FIG. 18

Title:

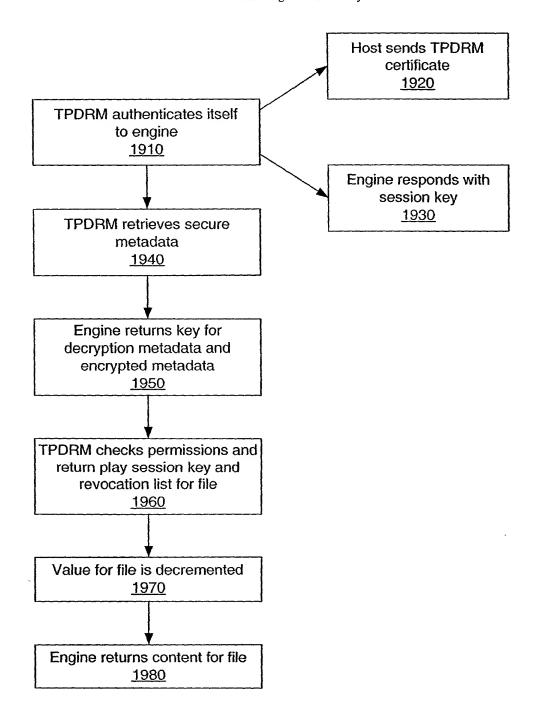


FIG. 19

Title:

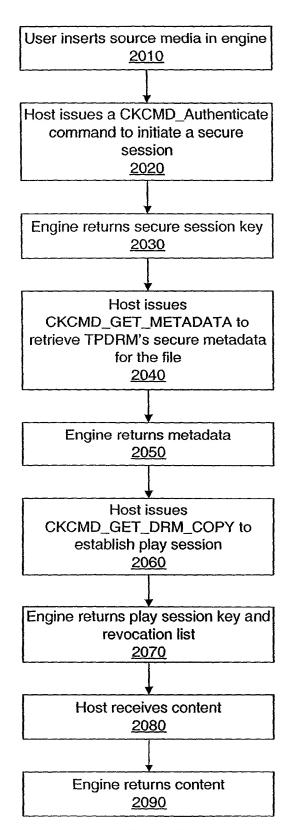


FIG. 20

Title:

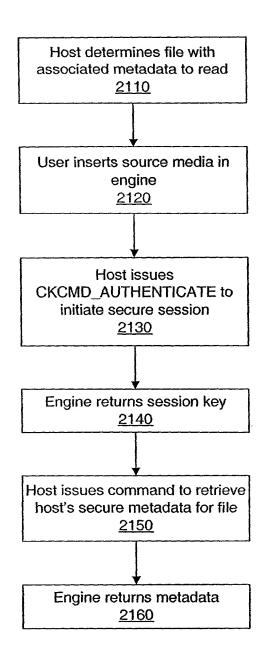


FIG. 21

Title:

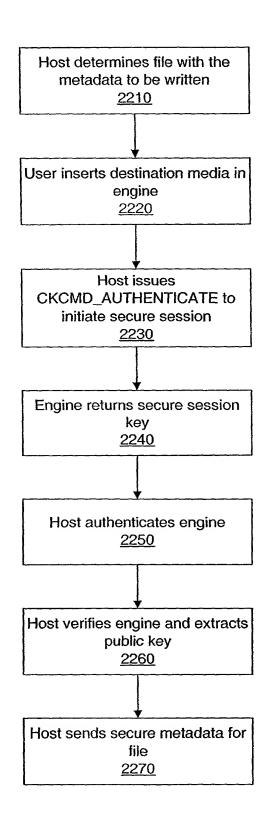


FIG. 22A

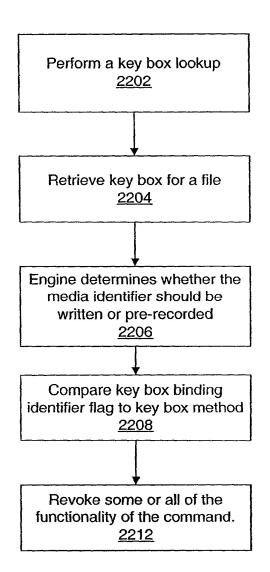


FIG. 22B

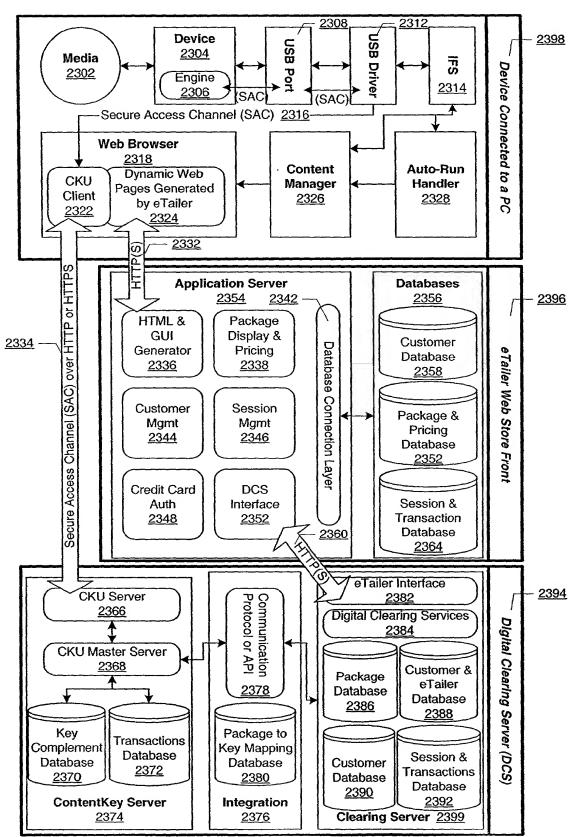


FIG. 23A

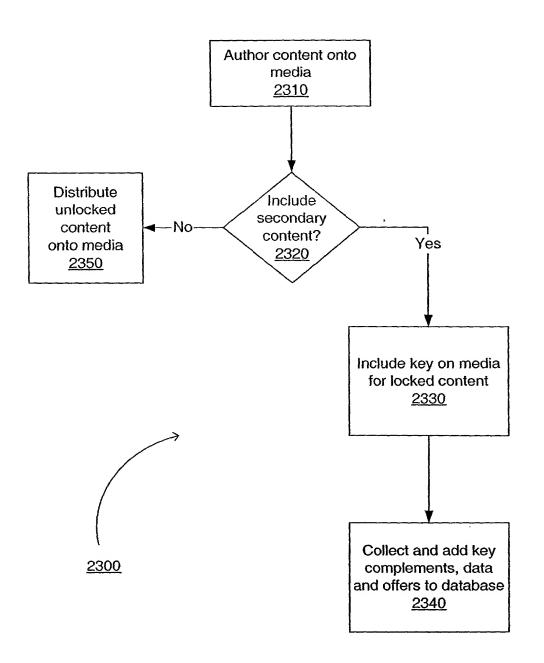


FIG. 23B

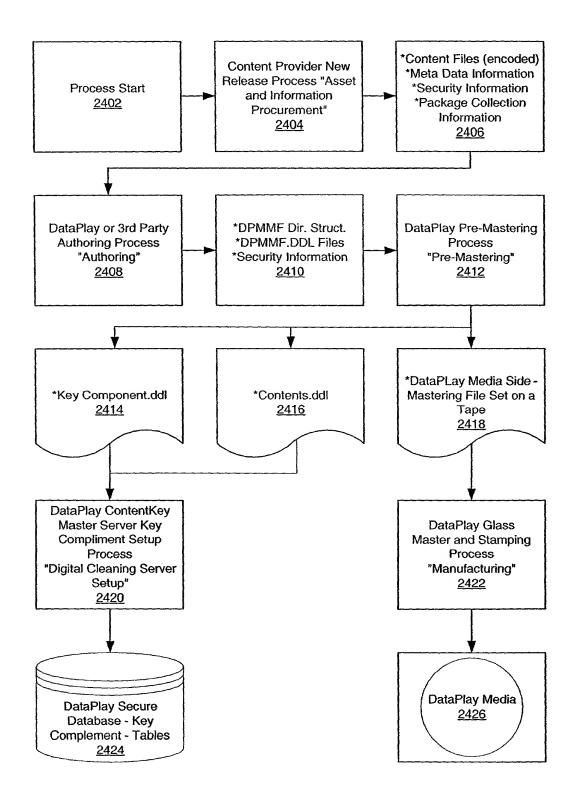


FIG. 24

Title:

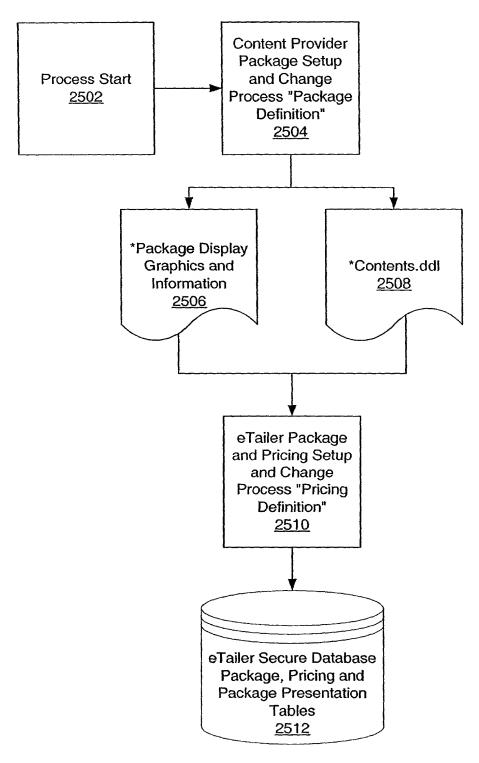


FIG. 25

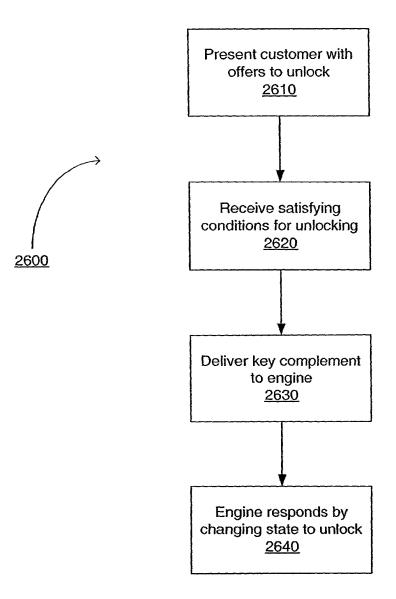
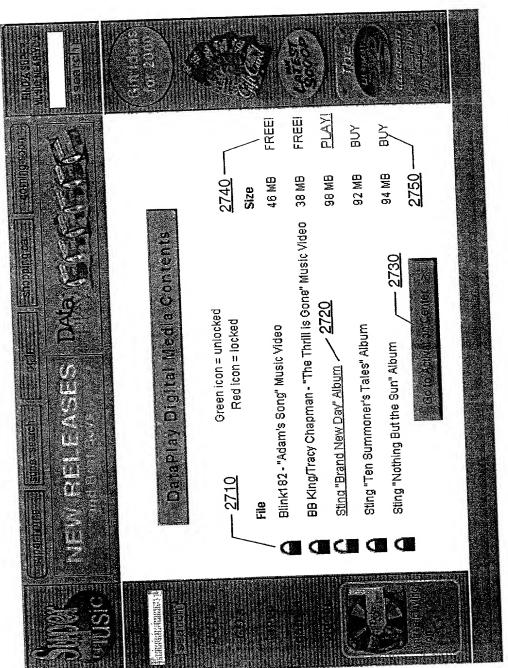
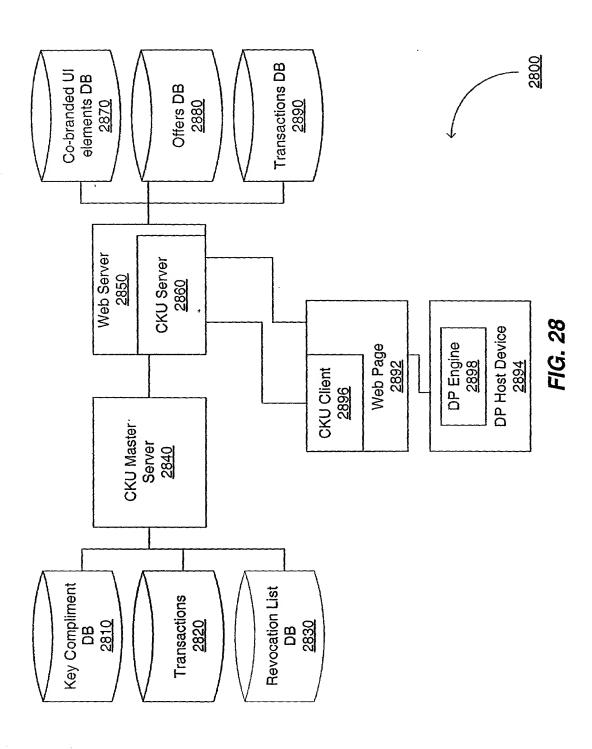


FIG. 26

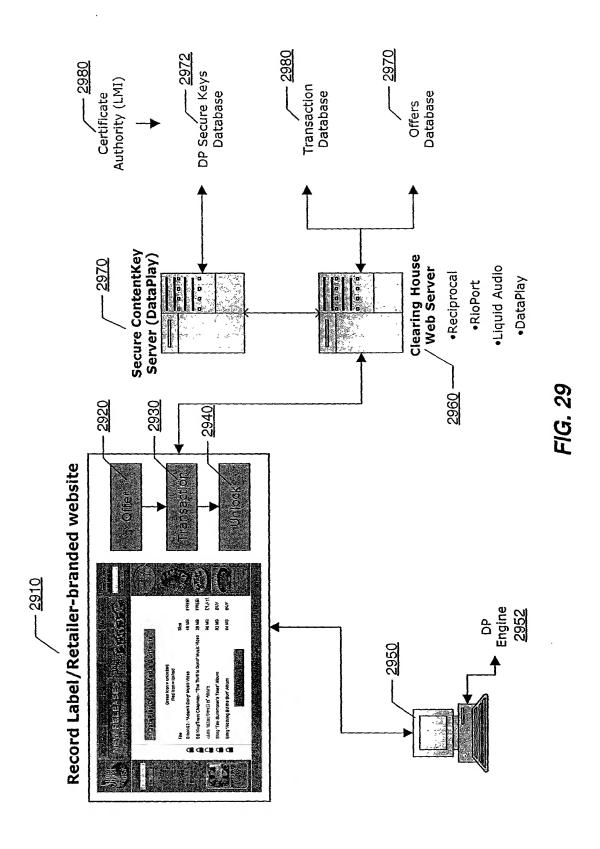
Attorney Docket No.: M-12043 US
First Inventor: Lane W. Lee
Title: A Mastering I

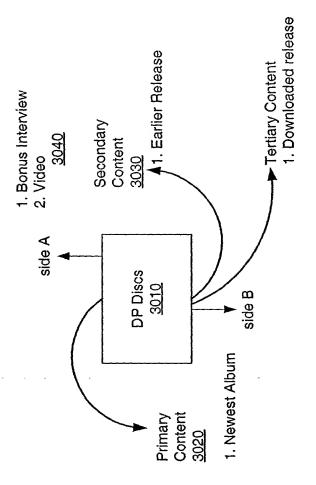
Lane W. Lee
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Title: Lane v





-1G. 30

Attorney Docket No.: M-12043 US
First Inventor: Lane W. Lee
Title: A Mastering I

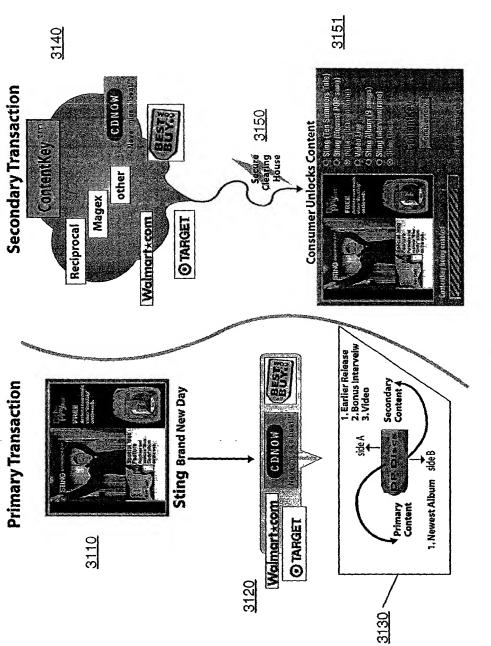


FIG. 31A

Title:

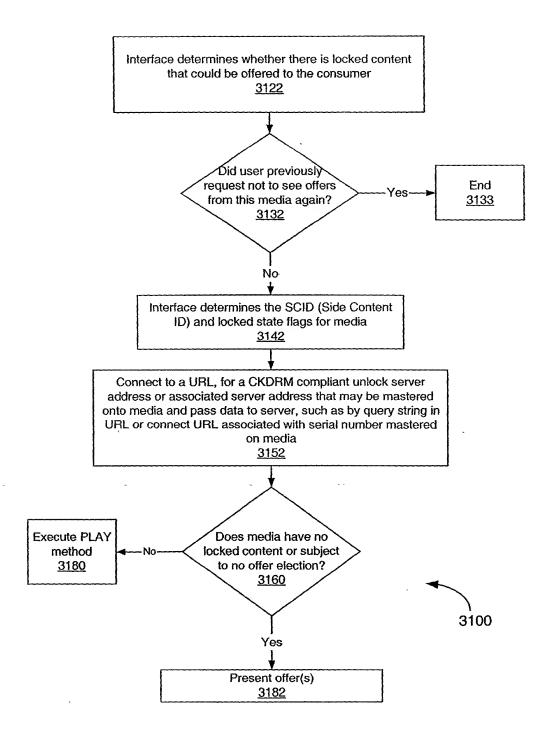


FIG. 31B

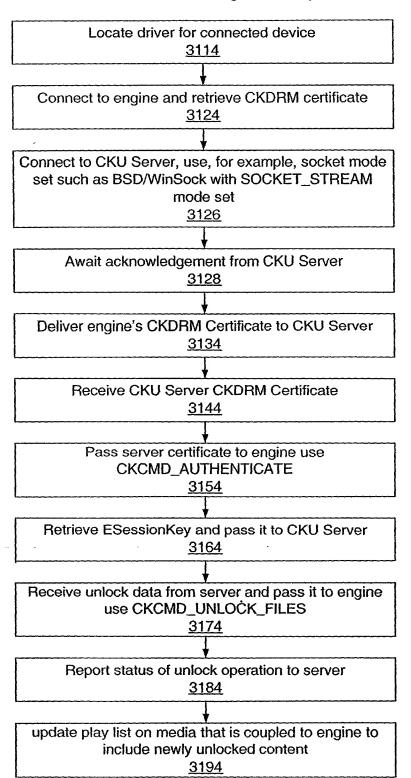


FIG. 31C

A Mastering Process and System for Secure Content First Inventor: Title: CKU Client that unlock has financial transaction after receiving indication from completed successfully CKU Server disconnects Web server completes unlock status from Client marked in Transaction Transaction status is CKU Server receives from Client 3244 Database 3242 3240 CKU Server transmits data MAC for data portion 3236 data and transmits to Client CKCMD_UNLOCK_FILES encrypts Key Complements CKU Server constructs Unlock Key using engine CKU Server constructs Complements that provide Provides that CKU Server random key to be used to using Unlock Key 3230 CKU Server encrypts CKU Server decrypts Key unlock capability 3228 to Client 3238 CKU Server generates public key 3232 Complements 3226 re-encrypt Key 3234 that may be encrypted with Session Key using Server CKU Server passes Server CKDRMCertificate to Client ESessionKey from Client CKU Server decrypts CKU Server public key CKU Server acknowledges from CKU Master Server CKU Server disconnects CKU Server receives Server public key 3214 receipt to CKU Master CKU Server receives Key Complements from CKU Master Server. In one embodiment keys are encrypted using CKU Private Key 3224 3218 Server 3216 SCID and DFS file handles to CKDRM Certificate, engine acknowledgement from CKU CKDRM Certificate, media Master CKU Server 3212 CKU Server passes Server CKU Server connects to CKU Database using SessionID as list of DFS file handles to be CKDRM retrieves SCID and unlocked from Transaction CKU Server awaits the engine's CKDRM Certificate Master Server 3210 and Session ID from client CKU Server acknowledges Master Server 3208 CKU Server receives an client connection 3202 index or key 3206 connection 3204

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Lane W. Lee

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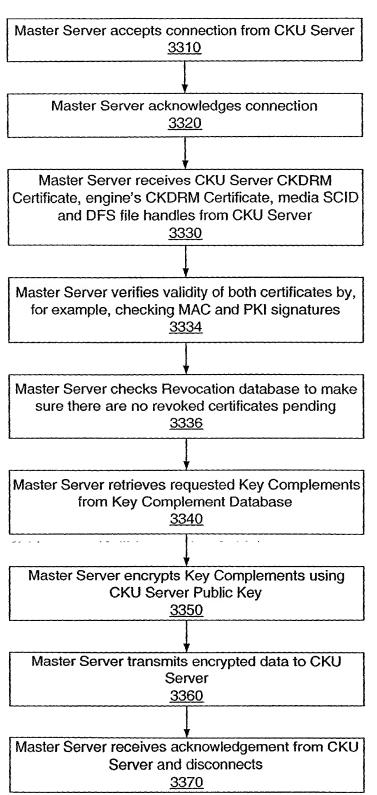


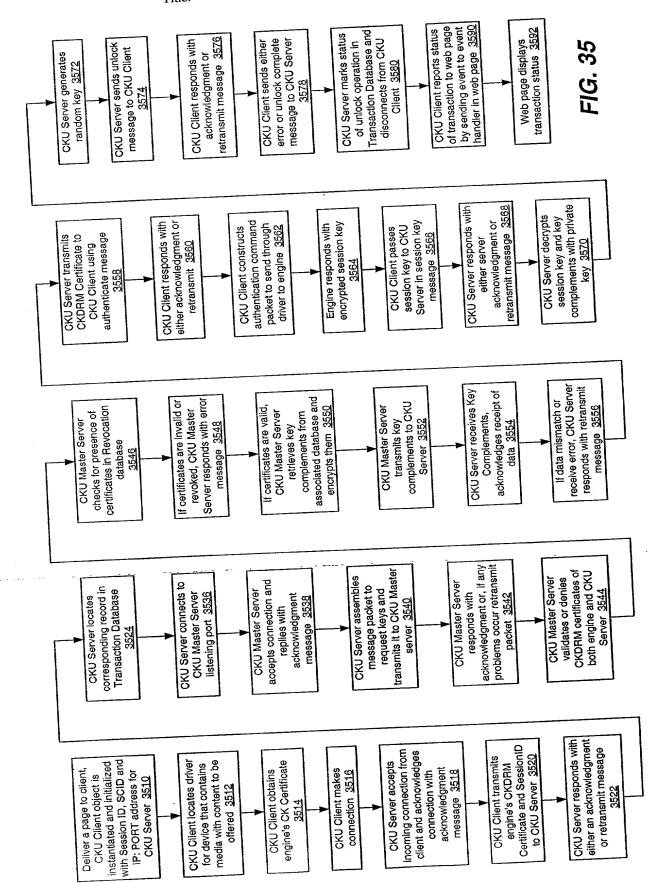
FIG. 33

Attorney Docket No.: M-12043 US Lane W. Lee First Inventor: Title: A Mastering Process and System for Secure Content Client accesses formatted URL, such as URL on media disk or URL associated with serial number on media disk or other source 3410 Client presents query string containing SCID and locked content status 3420 Web server constructs page to present offers to consumer using data from Offers and UI Elements databases 3430 Web server delivers "Unlocking in Progress" page to client <u>3440</u> Web server generates unique SessionID that is used later to commit transaction after unlock process is verified 3450 Web page embeds CKU Client object and contains client-side script that tells CKU Client to begin unlock process 3454 Web server stores the SCID and list of DFS File Handles indexed by SessionID in

FIG. 34

Transaction Database for later use by CKU Server object 3456

Title:



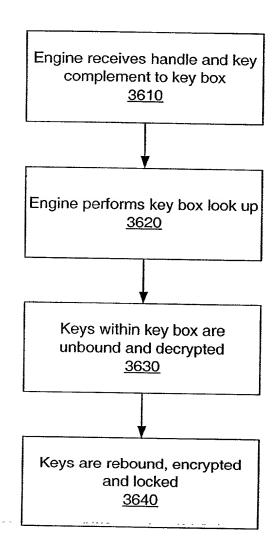
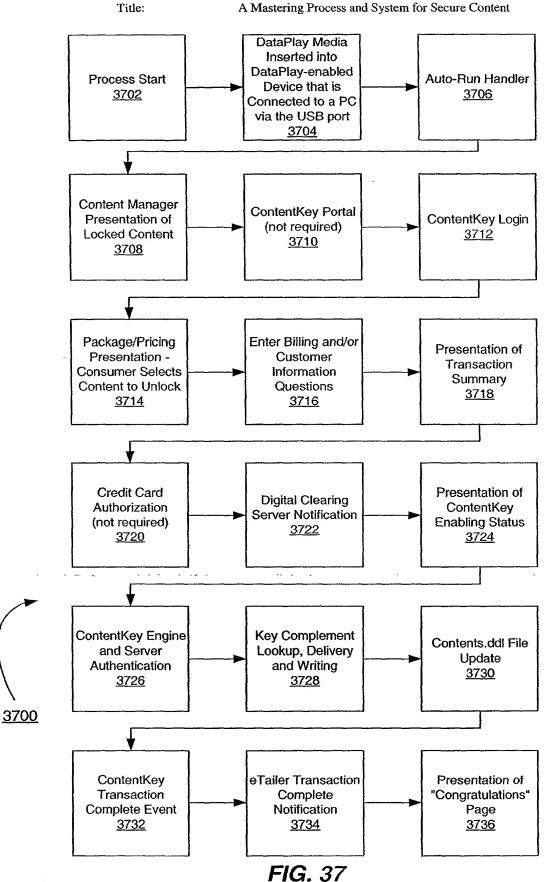


FIG. 36

Title:



Attorney Docket No.: M-12043 US First Inventor: Lane W. Lee A Mastering Process and System for Secure Content Title: DCS Order Mgmt Server inserts records DCS_STAGE table with or without a Media ID 3802 DCS Order Mgmt Serve generates a web page with a CKU Client instantiated with a Transaction ID CKU Client obtains the Engine's CKDRM Certificate 3806 CKU Client obtains the unique Media ID (if this is not already established the engine will do so) 3808 CKU Client obtains the Server's ContentKey Certificate 3810 CKU Client obtains the ESessionKey from the Engine using the CKU Server's CKDRM Certificate 3812 CKU Client makes final unlock request for validating and/or updating the DCS_STAGE table with the Media ID, authenticating the Engine, obtaining the File Handle/Key Complement/Version list and Wrapping the File Set <u>3814</u> CKU Client sends the wrapped file set to the Engine so the Engine can unlock the content 3816 CKU Client sends the final transaction status message to the server and displays a "Trx Complete" message to customer/user 3818 DCS Order Mgmt Server receives the status complete notice, and deletes DCS_STAGE records for that transaction and updates transaction

FIG. 38

3820

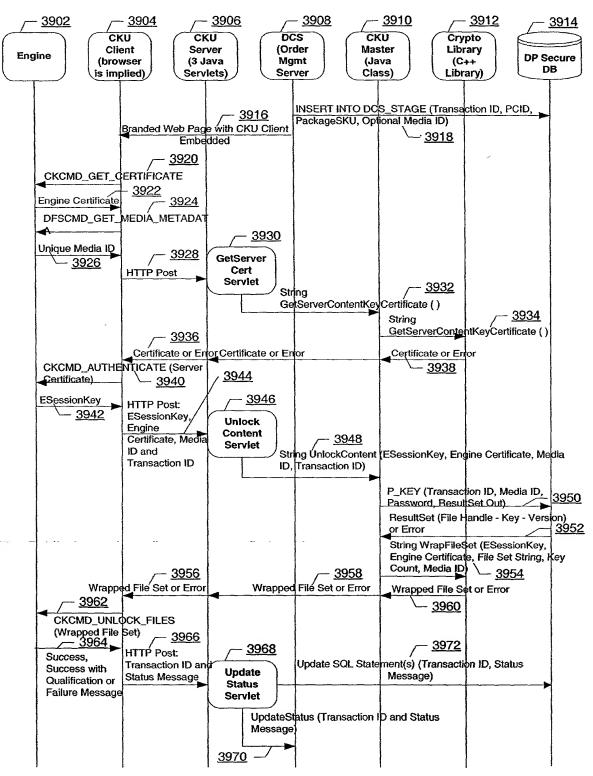


FIG. 39

First Inventor: Lane W. Lee A Mastering Process and System for Secure Content Title: Receive media containing locked content 4002 Auto-Run Handler (or Content Manager) requests and obtains a Contents.ddl file Auto-Run Handler (or Content Manager) parses the Contents.ddl fie to obtain the PackageCollectionID, PackageCollectionSKU, UnlockURL, Primary PackageSKU List + Business Entity ID, and a list of previously unlocked PackageSKU's 4006 Auto-Run Handler (or Content Manager) appends the data to the URL and opens the default browser which will display a web page created by the eTailer <u>4008</u> ETailer presents user/customer with a series of pages to process the eCommerce transaction 4010 After a user/customer completes the transaction (e.g. clicking button and prompting eTailer) thereby requesting eTailer to notify the DCS of the ContentKey Unlock Transaction, eTailer passes the DCS the PCID, and a list of PackageSKU's that are to be unlocked 4012 The DCS Order Mgmt component generates a unique Transaction ID and will insert one record for each Package purchased. At this point, the Media ID is not know so it will contain a null value. 4014 The DCS replies to the eTailer with a failure message or a URL that the user/ customer uses to unlock content. The Unlock URL contains the Transaction ID that was generated by the DCS. 4016

Attorney Docket No.: M-12043 US

FIG. 40

The eTailer generates a final confirmation and unlock instructions page that contains the Unlock URL. 4018

Title:

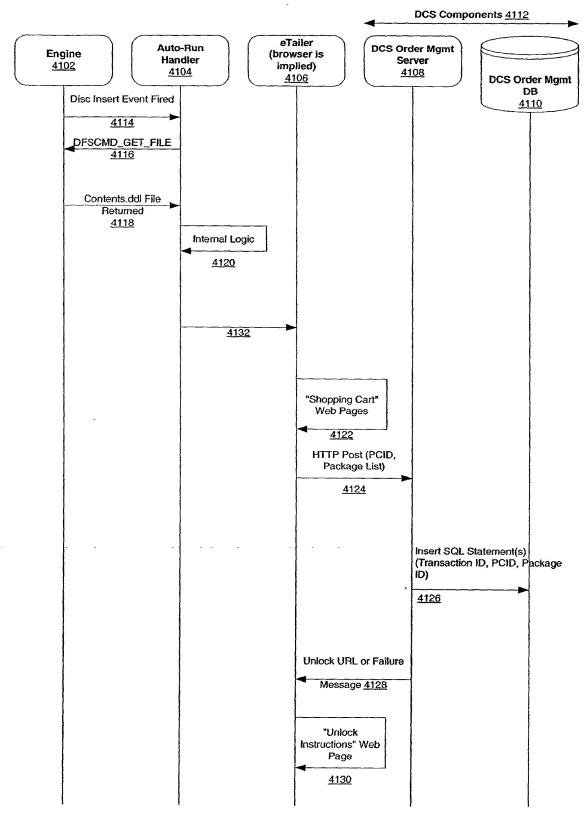


FIG. 41